

## **REFRIGERANT GAS R11 161**

### **MSDS Number**

BLCFV

### **National Stock Number**

6830-00N017267

### **Product Name**

REFRIGERANT GAS R11 161

### **Manufacturer**

COMMONWEALTH INDUSTRIAL GASES LIMITED

### **Product Identification**

Product ID:REFRIGERANT GAS R11 161

MSDS Date:07/01/1990

FSC:6830

NIIN:00N017267

MSDS Number: BLCFV

### **Responsible Party**

COMMONWEALTH INDUSTRIAL GASES LIMITED

500 PACIFIC HIGHWAY

ST LEONARDS

AS

Emergency Phone: 02-965-6666

Info Phone: 02-965-6666

Cage: Z0209

### **Contractor**

COMMONWEALTH INDUSTRIAL GASES LTD WELDING DIV

PRESTON VIC AUSTRALIA

AU

(02) 965-6666

Cage: Z0209

### **Ingredients**

TRICHLOROFLUOROMETHANE (CFC-11) (SARA III)

CAS: 75-69-4

RTECS: PB6125000

Fraction By Weight: >99.9%

OSHA PEL1000 PPM

ACGIH TLV: C, 1000 PPM; 9293

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

### **Hazards**

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:INHAL:R11 IS INTRINSICALLY

NON-TOX BUT IN HIGH CONC ACTS AS SIMPLE ASPHYX.SYMP INCLUDE

RAPID,GASPING RESP,RAPID FATIG,VOMIT,CYANOSIS & MAY LEAD TO LOSS OF

CONSS & DEATH.EYES/SKIN:LIQ OR COLD PIP ING CAN CAUSE FRZ OR FROSTBT IF CONT ISMADE.PROMPT MD ATTEN IS MANDATORY IN ALL CASES OF OVEREXP. SEE EFTS OF OVEREXP

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: CHRONIC: THOUGHT TO BE MUTAGENIC/TERATOGENIC. WOMEN OF CHILD BEARING AGE SHOULD HAVE LIMITED EXPOS. ADVICE TO MD: TREAT FOR ASPHYXIA/CRYOGENIC BURNS. MAY PROD CARDIAC ARRHY OR ARREST UNDER C IRCUMSTANCES WHERE ABNORM LG AMTS OF ADRENALIN IS SECRETED ENDOGENOUSLY.ADRENALIN SHOULD NOT BE ADMIN IN SUSPECTED CASES.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:EYE: IMMED FLUSH W/LG AMTS OF TEPID H\*2O/STERILE SALINE SOLN FOR AT LST 15 MIN. SEE MD. SKIN: FLUSH W/LUKEWARM H\*2O. DO NOT USE HOT H\*2O! SEE MD IMMED IF COLD "BURN" HAS RESULTED IN BLISTER OF DERM SU RF/DEEP TISS FRZG. INHAL: QUICKLY REMOVE TO FRESH AIR. GIVE O\*2/ARTF RESP. TREAT SYMPTOMATICALLY/SUPPORTIVELY. RESCUE PERS SHLD BE EQUIP W/NIOSH/MSHA APPROVED SCBA.

## Fire Fighting

Flash Point:NON-FLAMMABLE

Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE CONDITIONS .

Fire Fighting Procedures:CALL FIRE DEPT. WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . COOL CYL W/H\*2O FROM PROT LOCATION. REMOVE COOL CYL FROM PATH OF FIRE.

Unusual Fire/Explosion Hazard:DO NOT APPROACH CYLS SUSP TO BE HOT. IF UNABLE TO KEEP CONTAINERS COOL, EVACUATE AREA.

## Accidental Release

Spill Release Procedures:EVAC PERS FROM AREA.USE APPROP PROT EQUIP.IF CYL IS LEAKING,REMOVE TO WELL-VENT AREA/INFORM MFR. NEVER TRY TO REPAIR LEAKING/DMG CYL VALVE.IF LEAK CANNOT BE STOPPED,MOVE CNTNR,IF POSS/SAFE TO OUTDOOR AREA & ALLOW TO EMPTY.NOTIFY EMER SERVICE IF REQD

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:GAS UNDER PRESS: PROTECT CYL FROM PHYSICAL DAMAGE. STORE IN COOL, DRY, WELL-VENT AREA AWAY FROM HEAVILY TRAFFICKED AREAS & EMER EXITS.

Other Precautions:STORE CYL UPRIGHT & FIRMLY SECURED TO PRVNT FALLING OR BEING KNOCKED OVER. FULL & EMPTY CYL SHOULD BE SEGREGATED, USE "FIRST IN-FIRST OUT" INVENTORY SYS TO PRVNT CYL FEING STORED FOR EXCESSIVE PERIODS OF TIME. DO NOT EXPOSE TO TEMPS >45C.

## Exposure Controls

Respiratory Protection:WEAR NIOSH/MSHA APPORVED RESP APPROPRIATE FOR EXPOSURE OF CONCERN .

Ventilation:USE ONLY IN WELL VENTD AREAS. VENT TO PRVNT ACCUM OF HIGH CONCENTRATION OF R11 & ENSURE O\*2 LEVEL IN AIR IS >18%.

Protective Gloves:LEATHER OR PLASTIC PROTECTIVE GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:OVERALLS.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

VAP PRESS: KPA @ 25C: 110.

## Chemical Properties

HCC:G3

Boiling Pt:B.P. Text:74.8F,23.8C

Vapor Pres:SUPP DATA

Spec Gravity:4.9

Solubility in Water:0.145 WT%

Appearance and Odor:WATER-WHITE VOLITILE LIQUID WIUTH SLIGHT EHTEREAL ODOUR.

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## Stability

Stability Indicator/Materials to Avoid: YES

MAGNESIUM ALLOYS, RUBBER.

Stability Condition to Avoid: AVOID HIGH TEMPS.

Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.

## Disposal

Waste Disposal Methods: RETURN CYLINDER TO MFR FOR PROPER DISPOSAL.

DISPOSE I/A/W FED, STATE, LOCAL REGS .

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